

FIG. 1

Common Name	R ¹	R ²	R ³	R ⁴	R ⁵
Deoxynivalenol	=O	OH	OH	H	OH
3-Acetyl-Deoxynivalenol	=O	OH	OH	H	OAc ^a
15-Acetyl-Deoxynivalenol	=O	OH	OAc	H	OH
Triacetyl-Deoxynivalenol	=O	OAc	OAc	H	OAc
Nivalenol	=O	OH	OH	OH	OH
Fusarenon-X	=O	OH	OH	OAc	OH
Trichothecolone	=O	H	H	OH	H
Trichothecin	=O	H	H	X ^b	H
Isotrichodermin	H ₂	H	H	H	OAc
8-Hydroxy-Isotrichodermin	OH	H	H	H	OAc
Scirpentriol	H ₂	H	OH	OH	OH
Diacetoxyscirpenol	H ₂	H	OAc	OAc	OH
T-2 Toxin	ISV ^c	H	OAc	OAc	OH
T-2 Triol	ISV	H	OH	OH	OH
T-2 Tetraol	OH	H	OH	OH	OH
HT-2 Toxin	ISV	H	OAc	OH	OH
Neosolaniol	ISV	H	OAc	OAc	OH
Verrucarol	H ₂	H	OH	OH	H

^a OAc represents -OCOCH₃.

^b X represents -OCOCH=CHCH₃.

^c ISV represents -OCOCH₂CH(CH₃)₂.

FIG. 2

0903061-07404
F01120-F90E0650

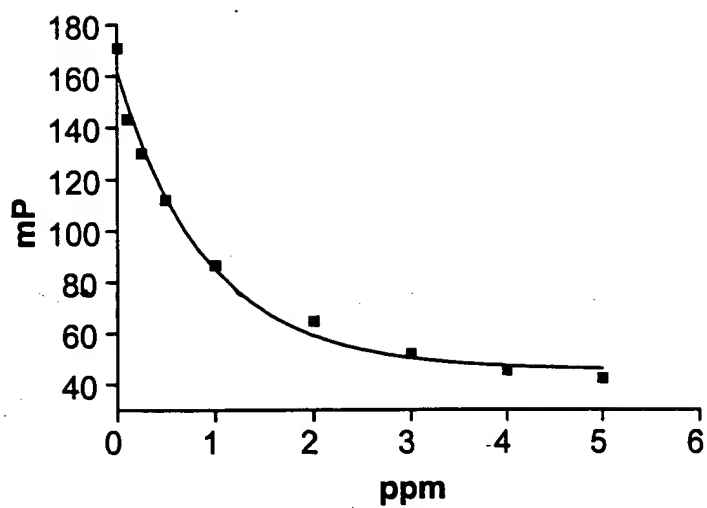


FIG. 3

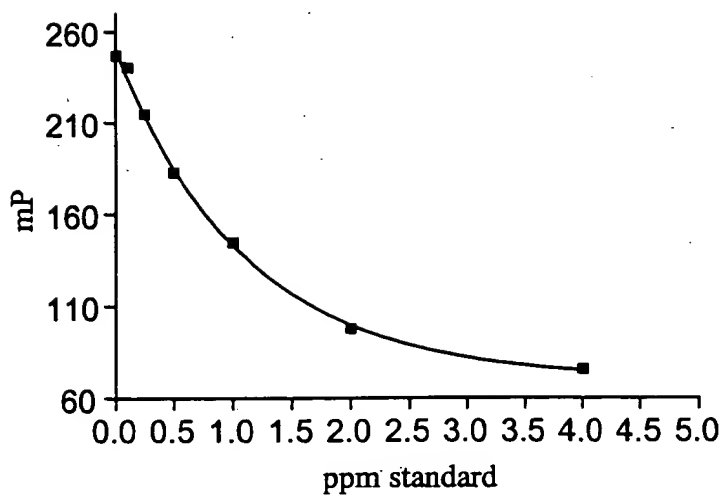


FIG. 4

Concentration (ppm)	Molar Ellipticity [M] _D (mP)
0	225
0.5	195
1.2	170
2.5	145
5.0	110
10.0	85

ppm (spiked)	ppm (calculated)
0	0
1	1
2	2
3	3
4	4
7	6
8	9
10	11
20	21

FIG. 6

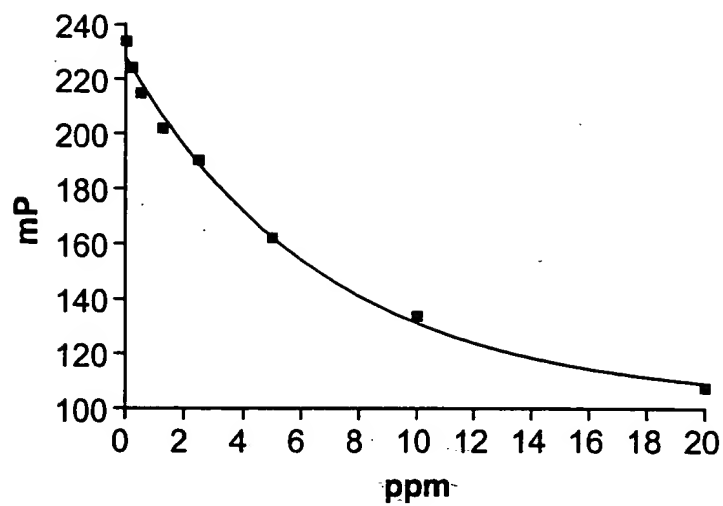


FIG. 7

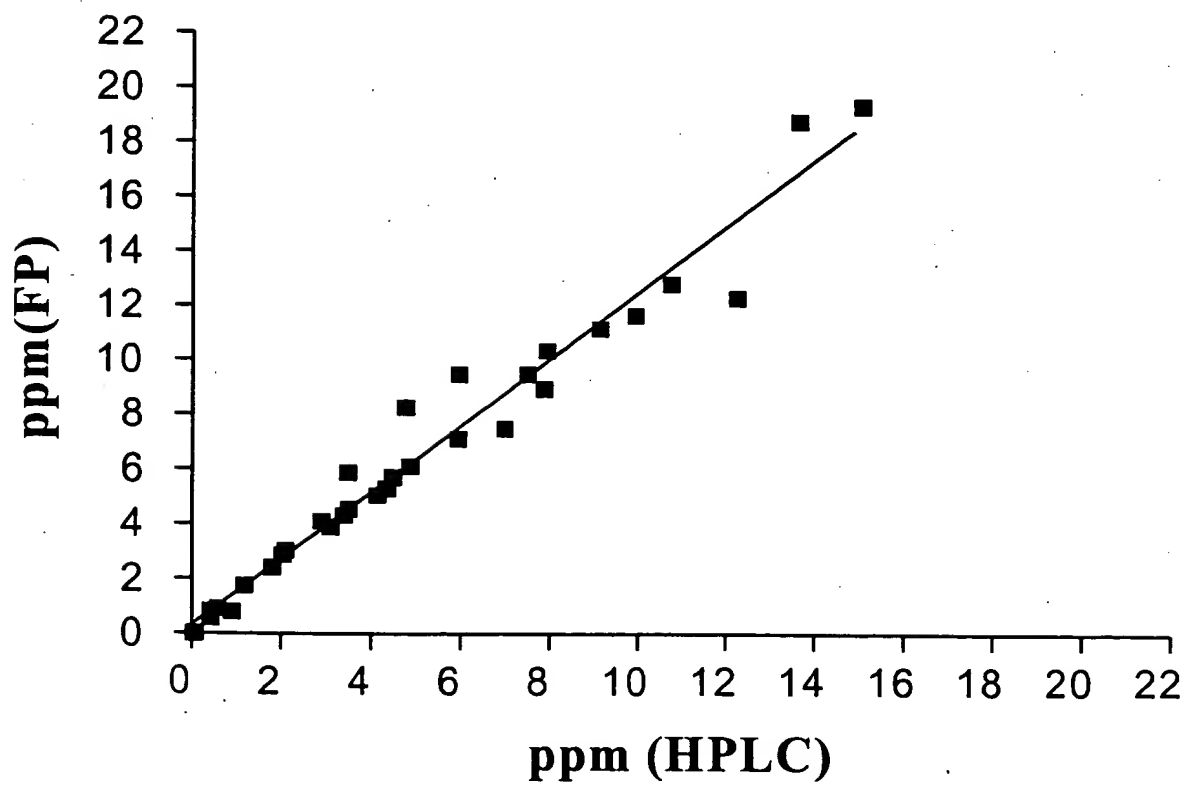


FIG. 8